

PATENT SPECIFICATION



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COMPLETE SPECIFICATION.

Improvements in Egg Cartons or Containers.

I, JOHN HARVEY PICKETT, a Subject of the King of Great Britain, of 82, MacNab Street North, in the City of Hamilton, County of Wentworth, Province of Ontario, Canada, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention relates to egg cartons or containers, and its object is to provide improved constructions thereof.

Hitherto it has been proposed to provide an egg carton comprising two opposed sheets having parallel corrugations which are pinched at fixed distances to form egg receiving cells; the pinchings are of less height than the corrugations, and are of substantially V-shaped section. It has also been proposed to provide an egg tray consisting of two opposed sheets, each having rows of egg-receiving depressions thereon, a series of continuous longitudinal or longitudinal and transverse grooved beads being also depressed from the sheets and passing over the outer surface of the depressions.

According to this invention I provide an egg carton or container comprising in combination a pair of substantially flat sheets, a plurality of cells depressed from each sheet, ribs also depressed from each sheet and extending between and across the cells, said ribs being of a height substantially equal to or slightly greater than the cells and also of "U" shaped cross section and formed with a flat top adapted to receive an imprint thereon.

I will now describe embodiments of my invention, simply by way of example, with reference to the accompanying drawings, whereon:—

Fig. 1 is a perspective view of one form of my container in which longitudinal ribs only are provided.

Fig. 2 is a longitudinal cross sectional view of the lower portion of my container taken through the line 2—2, Fig. 1.

Fig. 3 is a cross sectional view of the lower portion of my container taken through the line 3—3, Fig. 1.

Fig. 4 is a plan view of a fragmentary part of the lower portion of my container

as illustrated in figures 2 and 3.

Fig. 5 is a similar view to fig. 4, showing my form of container wherein longitudinal and transverse ribs are provided, and

Fig. 6 is an inverted plan view of the portion of the container illustrated in fig. 5.

Like characters of reference indicate corresponding parts in the different views.

My container in common with the other moulded egg containers of this type consists of upper and lower portions 1 and 2 which are of substantially the same form; and it will therefore only be necessary to describe the bottom portion as illustrated in figs. 2 to 6 of the drawings.

Such portions of my container consist each of a dozen egg cells 3 formed in two parallel rows of six cells each. These cells are of semi-circular cross section and are depressed from a flat sheet 4 following standard construction in moulded egg containers of this type. The faces of the sheets 4 of the upper and lower portions are adapted to abut each other whereby the aligned cells of such upper and lower portions form individual egg receptacles. It has been found in usage however that this type of container whilst affording excellent protection for the eggs against direct impact is apt to bend when filled with eggs thus causing a distortion between the two portions of the container which very frequently results in egg breakage. In order to eliminate this fault I form longitudinal ribs 5 for retaining the container against longitudinal bending and in certain cases transverse ribs 6 for retaining the container against transverse bending.

The longitudinal ribs 5 are depressed so as to project at right angles from the outer face 7 of the portion 4 and intersect the two rows of cells intermediately of their width, such ribs can be of the same height as the cells so that their tops are flush therewith or a little higher than the cells to form an extra protection such as illustrated in fig. 1.

Upon reference to the drawings it will be seen that the ribs 5 only actually pro-

ject from the sheets 4 between the egg cells so that the sides of the ribs comprise a plurality of substantially aligned "V" shaped members 8 which extend between the adjacent cells and are integral therewith, the ribs between the cells therefore being of substantially "U" shaped cross section as illustrated in dotted lines in fig. 3. The ends 9 of the ribs 5 curve downwardly following the curvature of the outer cells and merge into the ends of the sheets 4.

The transverse ribs 6 as provided in the form of container illustrated in figs. 5 and 6 are formed in the same manner as the longitudinal ribs 5 and project from the sheets between adjacent pairs of ribs 5. The cross-section of these ribs is also of substantially "U" shape between the cells and merge therein in the same manner as the portions 8. Where both longitudinal and transverse ribs are provided such ribs intersect at the points 11 substantially centrally of the egg cells. The ends of all the ribs following the cell curvature from such intersecting points and merging into the sheet 4.

The top faces 12 of the ribs form surfaces for receiving the name of the egg packer or any other identification, such top faces being moulded flat as illustrated in the drawings whereby the imprint can be readily received.

It will be readily seen that in providing these ribs that I have provided a simple and inexpensive means for retaining the container against distortion and

that the provision of such ribs will in no way interfere with the nesting of the containers for shipping or storage purposes. It has been found in practice that my improved type of container can be made for practically the same cost as the standard type of moulded container, whilst adding in a marked degree to the security of the eggs against breakage.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

(1) An egg carton or container comprising in combination, a pair of substantially flat sheets, a plurality of cells depressed from each sheet, ribs also depressed from each sheet and extending between and across the cells, said ribs projecting from each sheet to a height substantially equal to or slightly greater than the cells and also of "U" shaped cross section and formed with a flat top adapted to receive an imprint thereon.

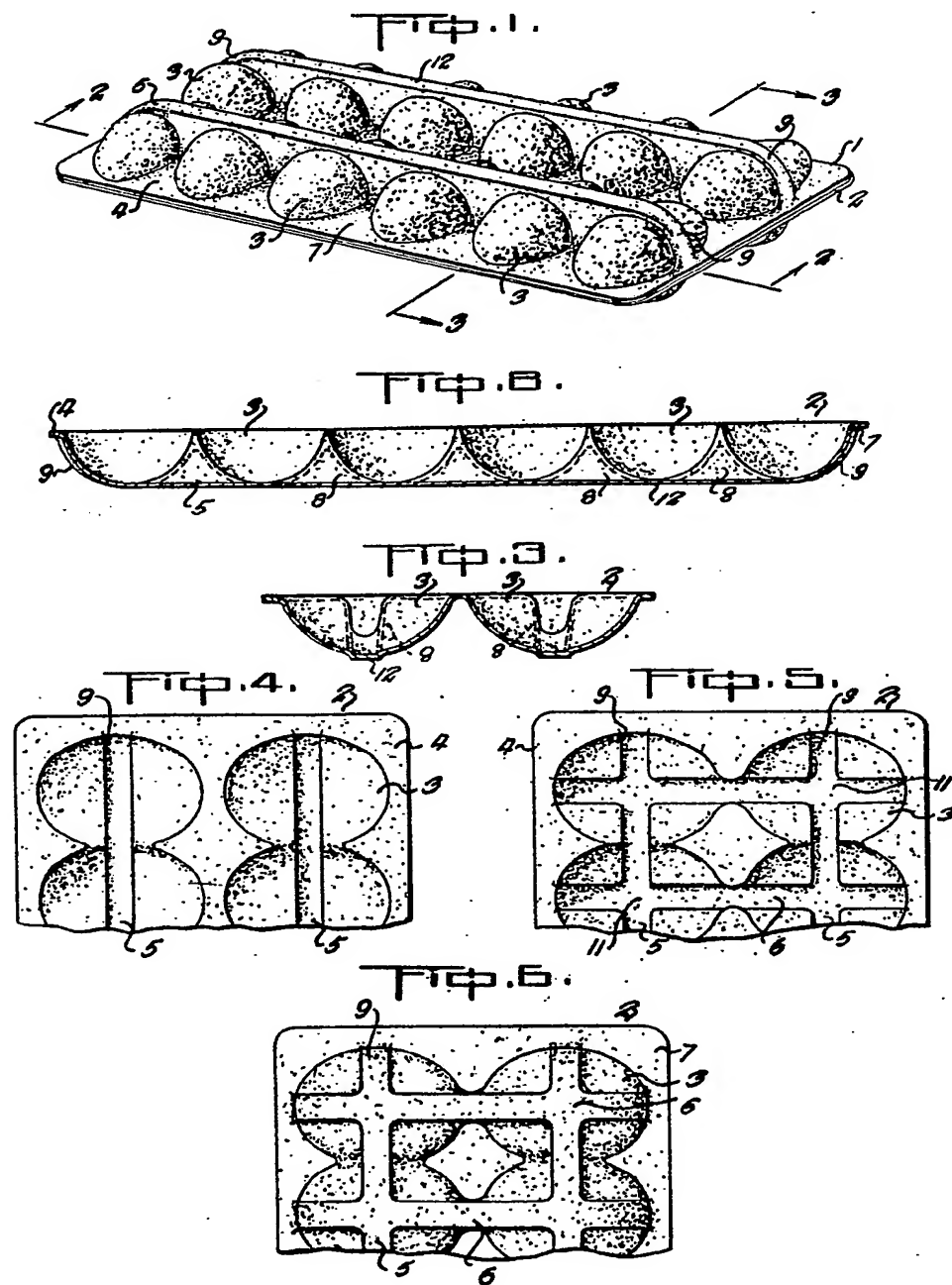
(2) An egg carton or container as claimed in claim 1, in which the ribs extend between and across the cells, both transversely and longitudinally thereof.

(3) An egg carton or container substantially as hereinbefore described with reference to the accompanying drawings.

Dated this 25th day of May, 1929.

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49, Chancery Lane, London, W.C. 2.

[This Drawing is a reproduction of the Original on a reduced scale.]



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